Author Index

Abad, P., Marais, A., Cardin, L., Poupet, A. and Ponchet, M., The effect of benzoic acid derivatives on *Nicotiana tabacum* growth in relation to PR-b1 production, 315
Andrei, G.M., Damonte, E.B., de Torres, R.A. and Coto, C.E., Induction of a refractory state to viral infection in mammalian cells by a plant inhibitor isolated from leaves of Melia azedarach L, 221

Baba, M., Nakajima, M., Schols, D., Pauwels, R., Balzarini, J. and De Clerq, E., Pentosan polysulfate, a sulfated oligosaccharide, is a potent and selective anti-HIV agent in vitro, 335
Balzarini, J., see Baba, M., 335
Barbanti-Brodano, G., see Portolani, M., 205
Buimovici-Klein, E., see Grieco, M.H., 177

Cardin, L., see Abad, P., 315
Cermelli, C., see Portolani, M., 205
Colonno, R.J., see Hayden, F.G., 233
Coto, C.E., see Andrei, G.M., 211
Crane, L.R. and Sunstrum, J.C., Enhanced efficacy of nucleoside analogs and recombinant alpha interferon in weanling mice lethally infected with herpes simplex virus type 2, 1

Damonte, E.B., see Andrei, G.M., 221
De Clerq, E., see Baba, M., 335
de Torres, R.A., see Andrei, G.M., 221
Dulworth, J.K., see Kenny, M.T., 249
Dunkel, E.C., see Imperia, P.S., 263

Eggers, H.J. and Rosenwirth, B., Isolation and characterization of an arildoneresistant poliovirus 2 mutant with an altered capsid protein VP1, 23
Englard, A., see Grieco, M.H., 177

Geary, P.A., see Imperia, P.S., 263
Germinario, R.J., see Samnotra, V., 285
Gilbert, B.E., Six, H.R., Wilson, S.Z., Wyde, P.R. and Knight, V., Small particle aerosols of enviroxime-containing liposomes, 355
Graham, E.A., see Hudson, J.B., 379
Grieco, M.H., Lange, M., Buimovici-Klein, E., Reddy, M., Englard, A., McKinley, G.F., Ong, K. and Metroka, C., Open study of AL-721 treatment of HIV-infected subjects with generalized lymphadenopathy syndrome: An eight week open trial and follow-up, 177
Grossi, M.P., see Portolani, M., 205
Gräf, M., see Töpke, H., 273
Gwaltney, Jr., J.M., see Hayden, F.G., 233

Hasegawa, A., see Ikeda, S., 37
Hayashi, K., Niwayama, S., Hayashi, T., Nago, R., Ochiai, H. and Morita, N., In vitro and in vivo antiviral activity of scopadulcic acid B from *Scoparia dulcis*, Scrophulariaceae, against herpes simplex virus type 1, 345
Hayashi, T., see Hayashi, K., 345
Hayden, F.G., Gwaltney, Jr., J.M. and Colonno, R.J., Modification of experimental rhinovirus colds by receptor blockade, 233
Herrmann, G., see Töpke, H., 273
Hess, G., see Müller, W.E.G., 191
Holý, A., see Schuster, G., 329
Hudson, J.B., Graham, E.A. and Simpson, M.F. The efficacy of amantadine and other antiviral compounds against two salmonid viruses in vitro, 379

Ikeda, S., Nishimura, C., Nakatsuka, M., Yuzuru Homma, J., Kiso, M. and Hasegawa, A., Antiviral and immunomodulating activities of chemically synthesized lipid A-subunit analogues GLA-27 and GLA-60, 37
Imperia, P.S., Lazarus, H.M., Dunkel, E.C., Pavan-Langston, D., Geary, P.A. and Lass, J.H., An in vitro study of ophthalmic antiviral agent toxicity on rabbit corneal epithelium, 263

Kenny, M.T., Torney, H.L. and Dulworth, J.K., Mechanism of action of the antiviral compounds MDL 20, 610, 249
Kiso, M., see Ikeda, S., 37
Knight, V., see Gilbert, B.E., 355

Lange, M., see Grieco, M.H., 177
Lass, J.H., see Imperia, P.S., 263
Lazarus, H.M., see Imperia, P.S., 263

Maeno, K., see Rahman, M.M., 11
Mannini-Palenzona, A., see Portolani, M., 205
Marais, A., see Abad, P., 315
McKeough, M.B., see Spruance, S.L., 295
McKinley, G.F., see Grieco, M.H., 177
Metroka, C., see Grieco, M.H., 177
Meyer zum Büschenfelde, K.H., see Müller, W.E.G., 191
Mitchell, W.M., see Montefiori, D.C., 47

Montefiori, D.C., Robinson, Jr., W.E. and Mitchell, W.M., Mismatched dsRNA (Ampligen) induces protection against genomic variants of the human immunodeficiency virus type 1 (HIV-1) in a multiplicity of target cells, 47
Morishima, T., see Rahman, M.M., 11
Morita, N., see Hayashi, K., 345
Müller, W.E.G., Sarin, P.S., Sun, D., Rossol, S., Voth, R., Rottmann, M., Hess, G., Meyer zum Büschenfelde, K.H. and Schröder, H.C., Dual biological activity of apurinic acid on human lymphocytes: induction of interferon-y and protection from human immunodeficiency virus infection in vitro, 191
Myers, M.G., see Stanberry, L.R., 367

Nago, R., see Hayashi, K., 345
Nakajima, M., see Baba, M., 335
Nakatsuka, M., see Ikeda, S., 37
Nishimura, C., see Ikeda, S., 37
Nishiyama, Y., see Rahma, M.M., 11
Niwayama, S., see Hayashi, K., 345

Ochiai, H., see Hayashi, K., 345
Ong, K., see Grieco, M.H., 177

Paolini, L., see Portolani, M., 205
Pauwels, R., see Baba, M., 335
Pavan-Langston, D., see Imperia, P.S., 263
Pietrosemoli, P., see Portolani, M., 205
Ponchet, M., see Abad, P., 315
Portolani, M., Pietrosemoli, P., Cermelli, C., Mannini-Palenzona, A., Grossi, M.P., Paolini, L. and Barbanti-Brodano, G., Suppression of BK virus replication and cytopathic effect by inhibitors of prokaryotic DNA gyrase, 205
Poupet, A., see Abad, P., 315

Rahman, M.M., Yamamoto, N., Morishima, T., Maeno, K. and Nishiyama, Y., Inhibition of herpes simplex virus type 2 replication in vitro by 1-*N*-pentadecanoyl-3″-*N*-trifluoroacetyl kanamycin A, 11
Reddy, M., see Grieco, M.H., 177
Reefschläger, J., see Töpke, H., 273
Robinson, Jr., W.E., see Montefiori, D.C., 47
Rosenwirth, B., see Eggers, H.J., 23
Rossol, S., see Müller, W.E.G., 191
Rottmann, M., see Müller, W.E.G., 191

Samnotra, V., Germinario, R.J. and Wainberg, M.A., Presence of insulin binding sites on viral particles, 285
Sarin, P.S., see Müller, W.E.G., 191
Schols, D., see Baba, M., 335
Schröder, H.C., see Müller, W.E.G., 191
Schuster, G. and Holý, A., Inhibitory effects of 9-(2,3-dihydroxypropyl) adenine and 3-(adenin-9-yl)-2-hydroxypropanoic acid 2-methylpropylester on potato virus X replication, 329
Shihman Chang, R. and Yeung, H.W., Inhibition of growth of human immunodeficiency virus in vitro by crude extracts of Chinese medicinal herbs, 163
Simpson, M.F., see Hudson, J.B., 379
Six, H.R., see Gilbert, B.E., 355
Spruance, S.L. and McKeough, M.B., Evaluation of antiviral treatments for recurrent herpes simplex labialis in the dorsal cutaneous guinea pig model, 295
Stanberry, L.R. and Myers, M.G., Evaluation of varicella-zoster antiviral drugs by a nucleic acid hybridization assay, 367
Sun, D., see Müller, W.E.G., 191
Sunstrum, J.C., see Crane, L.R., 1

Töpke, H., Gräf, M., Wutzler, P., Herrmann, G. and Reefschläger, J., Evaluation of (E)-5-(2-bromovinyl)- and 5-vinyl-1-β-D-arabinofuranosyluracil (BrVaraU) in the treatment of experimental herpes simplex virus type 1 keratitis in rabbits: comparison with (E)-5-(2-bromovinyl)-2′-deoxyuridine (BrVUdR), 273
Torney, H.L., see Kenny, M.T., 249

Voth, R., see Müller, W.E.G., 191

Wainberg, M.A., see Samnotra, V., 285
Wilson, S.Z., see Gilbert, B.E., 355
Wutzler, P., see Töpke, H., 273
Wyde, P.R., see Gilbert, B.E., 355

Yamamoto, N., see Rahman, M.M., 11
Yeung, H.W., see Shihman Chang, R., 163
Yuzuru Homma, J., see Ikeda, S., 37

Subject Index

Acyclovir, Herpes simplex labialis, Test treatment, Guinea pig model, 295 3-(Adenin-9-yl)-2-hydroxypropanoic acid (AHPA), 9-(2,3-Dihydroxypropyl)adenine (DHOA), Potato virus X (PVX), 329
AIDS, HIV, anti-HIV, Chinese medicinal herbs, 163
AIDS, dsRNA, mismatched, HIV-1, 47
AL-721, Anti-HIV, Immunostimulating effects, 177
Alkaline degradation, Arildone, Poliovirus, Uncoating, Arildone-resistant mutant, 23
Amantadine, Antivirals, Salmonid virus, Infectios hematopoietic necrosis virus, Infectious pancreatic necrosis virus, 379
Anti-HIV, AL-721, Immunostimulating effects, 177
Antiviral state, *Melia azedarach* L, Plant antiviral, 221
Antiviral agent, Cytotoxic, in vitro, Corneal epithelium, 263
Amantadine, Salmonid virus, Infectious hematopoietic necrosis virus, Infectious pancreatic necrosis virus, 379
Antiviral, Flavonoid, Rhinovirus, 249
Apurinic acid, Human immunodeficiency virus, Interferon γ, Reverse transcriptase, 191
Arildone, Poliovirus, Uncoating, Arildone-resistant mutant, Alkaline degradation, 23
Arildone-resistant mutant, Arildone, Poliovirus, Uncoating, Alkaline degradation, 23

Benzoic acid derivative, Nicotiana tabacum, PR-b protein, Chemical induction, 315
Binding activity, Insulin, Influenza virus, Rous sarcoma virus, 285
BK virus, Papovavirus, Nalidixic acid, Oxolinic acid, DNA topoisomerase, 205
Bromovinylarauracil (BrVaraU), Vinylarauracil (VaraU), Bromovinyldeoxyuridine (BrVUdR), Herpes simplex virus type 1 (HVS-1), Rabbit keratitis, 273
Bromovinyldeoxyuridine (BrVUdR), Bromovinylarauracil (BrVaraU), Vinylarauracil (VaraU), Herpes simplex virus type 1 (HVS-1), Rabbit keratitis, 273

Chemical induction, Nicotiana tabacum, PR-b protein, Benzoic acid derivative, 315
Chinese medicinal herbs, HIV, anti-HIV, AIDS, 163
Combination antivirals, Herpes simplex virus, Interferon, 1
Cornal epithelium, Cytotoxic, in vitro, Antiviral agent, 263
Corneal infection, Scopadulcic acid B, Herpes simplex virus, In vitro assay, Hamster model, 345
Cytotoxic, in vitro, Corneal epithelium, Antiviral agent, 263

9-(2,3-Dihydroxypropyl)adenine (DHOA), 3-(Adenin-9-yl)-2-hydroxypropanoic acid (AHPA), Potato virus X (PVX), 329
DNA hybridization, varicella-zoster virus, 367
DNA topoisomerase, BK virus, Papovavirus, Nalidixic acid, Oxolinic acid, 205

Enviroxime, Small particle aerosol, Liposome, Rhinovirus, 367

Flavonoid, Antiviral, Rhinovirus, 249

Guinea pig model, Herpes simplex labialis, Test treatment, Acyclovir, 295

Hamster model, Scopadulcic acid B, Herpes simplex virus, In vitro assay, Corneal infection, 345
Herpes simplex virus, Combination antivirals, Interferon, 1
Herpes simplex virus type 1 (HVS-1), Bromovinylarauracil (BrVaraU), Vinylarauracil (VaraU), Bromovinyldeoxyuridine (BrVUdR), Rabbit keratitis, 273
Herpes simplex labialis, Test treatment, Acyclovir, Guinea pig model, 295
Herpes simplex virus, Scopadulcic acid B, In vitro assay, Hamster model, Corneal infection, 345
anti-HIV, HIV, Chinese medicinal herbs, AIDS, 163
HIV, anti-HIV, Chinese medicinal herbs, AIDS, 163
HIV-1, dsRNA, mismatched, AIDS, 47
HSV-2, Kanamycin analogue, 11
Human immunodeficiency virus, Apurinic acid, Interferon γ, Reverse transcriptase, 191
Human immunodeficiency virus, Pentosan polysulfate, Sulfated polysaccharide, 335

Immunomodulator, Lipid A analogues, Vaccinia virus, 37
Immunostimulating effects, AL-721, Anti-HIV, 177
Infectious hematopoietic necrosis virus, Amantadine, Salmonid virus, Infectious pancreatic necrosis virus, 379
Infectious pancreatic necrosis virus, Amantadine, Salmonid virus, Infectious hemapoietic necrosis virus, 379
Influenza virus, Insulin, Rous sarcoma virus, Binding activity, 285
Insulin, Influenza virus, Rous sarcoma virus, Binding activity, 285
Interferon, Herpes simplex virus, Combination antivirals, 1
Interferon γ, Apurinic acid, Human immunodeficiency virus, Reverse transcriptase, 191
In vitro assay, Scopadulcic acid B, Herpes simplex virus, Hamster model, Corneal infection, 345

Kanamycin analogue, HSV-2, 11

Lipid A analogues, Vaccinia virus, Immunomodulator, 37
Liposome, Enviroxime, Small particle aerosol, Rhinovirus, 367

***Melia azedarach* L**, Antiviral state, Plant antiviral, 221

Nalidixic acid, BK virus, Papovavirus, Oxolinic acid, DNA topoisomerase, 205
Nicotiana tabacum, PR-b protein, Benzoic acid derivative, Chemical induction, 315

Oxolinic acid, BK virus, Papovavirus, Nalidixic acid, DNA topoisomerase, 205

Papovavirus, BK virus, Nalidixic acid, Oxolinic acid, DNA topoisomerase, 205
Pentosan polysulfate, Sulfated polysaccharide, Human immunodeficiency virus, 335
Plant antiviral, *Melia azedarach* L, Antiviral state, 221
Poliovirus, Arildone, Uncoating, Arildone-resistant mutant, Alkaline degradation, 23
Potato virus X (PVX), 9-(2,3-Dihydroxypropyl)adenine (DHOA), 3-(Adenin-9-yl)-2-hydroxypropanoic acid (AHPA), 329
PR-b protein, Nicotiana tabacum, Benzoic acid derivative, Chemical induction, 315

Rabbit keratitis, Bromovinylarauracil (BrVaraU), Vinylarauracil (VaraU), Bromovinyldeoxyuridine (BrVUdR), Herpes simplex virus 1 (HSV-1), 273
Reverse transcriptase, Apurinic acid, Human immunodeficiency virus, Interferon γ, 191
Rhinovirus, Antiviral, Flavonoid, 249
Rhinovirus, Enviroxime, Small particle aerosol, Liposome, 367
dsRNA, mismatched, HIV-1, AIDS, 47
Rous sarcoma virus, Insulin, Influenza virus, Binding activity, 285

Salmonid virus, Amantadine, Infectious hematopoietic necrosis virus, Infectious pancreatic necrosis virus, 379
Scopadulcic acid B, Herpes simplex virus, In vitro assay, Hamster model, Corneal infection, 345
Small particle aerosol, Enviroxime, Liposome, Rhinovirus, 367
Sulfated polysaccharide, Pentosan polysulfate, Human immunodeficiency virus, 335

Test treatment, Herpes simplex labialis, Acyclovir, Guinea pig model, 295

Uncoating, Arildone, Poliovirus, Arildone-resistant mutant, Alkaline degradation, 23

Vaccinia virus, Lipid A analogues, Immunomodulator, 37
Varicella-zoster virus, DNA hybridization, 367
Vinylarauracil (VaraU), Bromovinylarauracil (BrVaraU), Bromovinyldeoxyuridine (BrVUdR), Herpes simplex virus type 1 (HVS-1), Rabbit keratitis, 273